

WHAT IS CLAIMED IS:

1. An elevator door unit comprising:

a cage door which is provided in a cage which moves in a shaft;

5 a cage door lock unit which limits and locks the opening width of the cage door to the width not to permit passing of passengers;

a hall door which is provided in a landing hall, and is opened interlocking with the cage door when the cage stops in a range of facing to the cage door; and

10 a lock release unit which releases the lock of the cage door lock unit within the opening width by opening the cage door by manual operation, when the cage is in a range that the cage door faces to the hall door.

15 2. The elevator door unit according to claim 1, wherein the lock release unit comprises a trigger plate which is provided in the cage and interlocked with the cage door lock unit; and a push roller which is provided in the hall door and releases the cage door lock unit by pressing the trigger plate while the cage door is opened within the opening width.

3. The elevator door unit according to claim 2, wherein the trigger plate has the length along the vertical direction of the cage.

25 4. The elevator door unit according to claim 2, wherein the operation of the trigger plate is transmitted to the cage door lock unit by a gear

mechanism and a cam mechanism.

5        5. The elevator door unit according to claim 2,  
wherein the trigger plate is urged elastically by a  
spring in the direction opposite to the cage door lock  
unit releasing direction.

6. The elevator door unit according to claim 2,  
wherein the trigger plate is provided at a position  
where the cage does not interfere with the push roller  
during movement.

10       7. The elevator door unit according to claim 1,  
wherein the cage door lock unit has a driving source  
which electrically releases the lock of the cage door.